AMENDMENTS TO THE CLAIMS

This listing of claims, if entered, will replace all prior versions and listings of claims in the present Application.

Listing of Claims

1.　　(**Currently amended**)　　A computer-implemented method comprising:

synchronizing **inventory transaction information of a computerized inventory management system comprising** a source computerized inventory management system **executing on a first computer** and a target computerized inventory management system **executing on a second computer**, wherein said synchronizing is bidirectional, and

said synchronizing comprises

extracting inventory transaction information in a ~~first form~~ **source format** that is associated with [[a]] **the** source computerized inventory management system;

converting the inventory transaction information in the ~~first form~~ **source format** into inventory transaction information that is in ~~a second~~ **an** intermediate ~~form~~ **format**; and

converting the inventory transaction information in the ~~second~~ intermediate ~~form~~ **format** into inventory transaction information in a target ~~form~~ **format** that corresponds to [[a]] **the** target computerized inventory management system.

2.   (**Currently amended**)   The computer-implemented method of Claim 1, further comprising:

using the inventory transaction information in the target ~~form~~ **format** to perform at

    least one computer-implemented act from a set of computer-implemented acts

    comprising:

        creating a new inventory transaction record in the target computerized

            inventory management system; and

        updating an existing inventory transaction record in the target computerized

            inventory management system.

3.   (**Currently amended**)   The computer-implemented method of Claim 1, further comprising:

extracting inventory transaction information in a ~~third form~~ **second source format**

    that is associated with a second source computerized inventory management

    system that is distinct from the source computerized inventory management

    system;

converting the inventory transaction information in the ~~third form~~ **second source**

    format into inventory transaction information that is in the ~~second~~

    intermediate ~~form~~ **format**;

converting the inventory transaction information in the ~~second~~ intermediate ~~form~~

    format into inventory transaction information in the target ~~form~~ **format**; and

using the inventory transaction information in the target ~~form~~ **format** to perform at

    least one computer-implemented act from a set of computer-implemented acts

    comprising:

        creating a new inventory transaction record in the target computerized

            inventory management system; and

updating an existing inventory transaction record in the target computerized

inventory management system.

4.   (**Currently amended**)   The computer-implemented method of Claim 1,

wherein the ~~second~~ intermediate ~~form~~ **format** ~~includes~~ **comprises** a list of inventory

transactions class with a hierarchy of data elements, wherein the hierarchy of data

elements ~~includes~~ **comprises** a plurality of inventory transaction elements which

~~include~~ **comprise** other elements.

5.   (**Currently amended**)   The computer-implemented method of Claim 4,

wherein each of the plurality of inventory transaction elements ~~includes~~ **comprises**:

an inventory transaction identifier;

a base data element for defining:

      a transaction comments element;

      a transaction date;

      a transaction quantity of items;

      a transaction time;

      a transaction type code; and

      a transaction unit of measure code;

a list of identifier data element for defining identifier data that is specific to a product

      or item.;

a location data element for defining a destination location data element and a source

      location data element;

a related product element for defining a product or item identifier;

a related document data element for defining a related purchase order element; and

a custom data element for defining customized attributes for the inventory transaction

      information.

6.   (**Currently amended**)   The computer-implemented method of Claim 5, wherein:

the identifier data element ~~includes~~ <u>comprises</u> a product serial number or an item serial number;

the destination location data element ~~includes~~ <u>comprises</u> a destination bucket code element and a destination inventory location identifier element;

the source location data element ~~includes~~ <u>comprises</u> a source bucket code element and a source inventory location identifier; and

the related purchase order element ~~includes~~ <u>comprises</u> a purchase order element for defining purchase-order-type elements that ~~include~~ <u>comprise</u>:

a common object row identifier element;

a purchase order base data element wherein the purchase order base data element ~~includes~~ <u>comprises</u> a purchase order number;

a list of purchase order line item element, wherein the list of purchase order line item element ~~includes~~ <u>comprises</u> a plurality of purchase order line items; and

a purchase order custom data element.

7.   (**Currently amended**)   The computer-implemented method of Claim 6, wherein each of the plurality of purchase order line items ~~includes~~ <u>comprises</u>:

a purchase order line item number identifier element;

a purchase order line item base data element; and

a purchase order line item custom data element.

8.   (**Currently amended**)   The computer-implemented method of Claim 7, wherein the purchase order line item base data element ~~includes~~ **comprises** a purchase order line item number.

9.   (**Currently amended**)   A computer-readable medium carrying one or more sequences of instructions for managing inventory, wherein execution of the one or more sequences of instructions by one or more processors causes the one or more processors to perform:

synchronizing **inventory transaction information of a computerized inventory management system comprising** a source computerized inventory management system **executing on a first computer** and a target computerized inventory management system **executing on a second computer**, wherein

said synchronizing is bidirectional, and

said synchronizing comprises

extracting inventory transaction information in a ~~first form~~ **source format** that is associated with [[a]] **the** source computerized inventory management system;

converting the inventory transaction information in the ~~first form~~ **source format** into inventory transaction information that is in ~~a second~~ **an** intermediate ~~form~~ **format**; and

converting the inventory transaction information in the ~~second~~ intermediate ~~form~~ **format** into inventory transaction information in a target ~~form~~ **format** that corresponds to [[a]] **the** target computerized inventory management system.

10.   (**Currently amended**)   The computer-readable medium of Claim 9, further
comprising:

using the inventory transaction information in the target ~~form~~ **format** to perform at

least one computer-implemented act from a set of computer-implemented acts

comprising:

creating a new inventory transaction record in the target computerized

inventory management system; and

updating an existing inventory transaction record in the target computerized

inventory management system.

11.   (**Currently amended**)   The computer-readable medium of Claim 9, further
comprising:

extracting inventory transaction information in a ~~third form~~ **second source format**

that is associated with a second source computerized inventory management

system that is distinct from the source computerized inventory management

system;

converting the inventory transaction information in the ~~third form~~ **second source**

format into inventory transaction information that is in the ~~second~~

intermediate ~~form~~ **format**;

converting the inventory transaction information in the ~~second~~ intermediate ~~form~~

format into inventory transaction information in the target ~~form~~ **format**; and

using the inventory transaction information in the target ~~form~~ **format** to perform at

least one computer-implemented act from a set of computer-implemented acts

comprising:

creating a new inventory transaction record in the target computerized

inventory management system; and

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updating an existing inventory transaction record in the target computerized inventory management system.

12. (**Currently amended**) The computer-readable medium of Claim 9, wherein the ~~second~~ intermediate ~~form~~ **format** ~~includes~~ **comprises** a list of inventory transactions class with a hierarchy of data elements.

13. (**Currently amended**) The computer-readable medium of Claim 12, wherein the hierarchy of data elements ~~includes~~ **comprises** a plurality of inventory transaction elements which ~~include~~ **comprise** other elements.

14. (**Currently amended**) The computer-readable medium of Claim 13, wherein each of the plurality of inventory transaction elements ~~includes~~ **comprises** an inventory transaction identifier.

15. (**Currently amended**) The computer-readable medium of Claim 13, wherein each of the plurality of inventory transaction elements ~~includes~~ **comprises** a base data element for defining:

a transaction comments element;

a transaction date;

a transaction quantity of items;

a transaction time;

a transaction type code; and

a transaction unit of measure code.

16. (**Currently amended**) The computer-readable medium of Claim 13, wherein each of the plurality of inventory transaction elements ~~includes~~ **comprises** a list of identifier data element for defining identifier data that is specific to a product or item.

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17. (**Currently amended**) The computer-readable medium of Claim 13, wherein each of the plurality of inventory transaction elements ~~includes~~ <u>comprises</u> a location data element for defining a destination location data element and a source location data element.

18. (**Currently amended**) The computer-readable medium of Claim 13, wherein each of the plurality of inventory transaction elements ~~includes~~ <u>comprises</u> a related product element for defining a product or item identifier.

19. (**Currently amended**) The computer-readable medium of Claim 13, wherein each of the plurality of inventory transaction elements ~~includes~~ <u>comprises</u> a related document data element for defining a related purchase order element.

20. (**Currently amended**) The computer-readable medium of Claim 13, wherein each of the plurality of inventory transaction elements ~~includes~~ <u>comprises</u> a custom data element for defining customized attributes for the inventory transaction information.

21. (**Currently amended**) The computer-readable medium of Claim 16, wherein the identifier data element ~~includes~~ <u>comprises</u> a product serial number or an item serial number.

22. (**Currently amended**) The computer-readable medium of Claim 17, wherein the destination location data element ~~includes~~ <u>comprises</u> a destination bucket code element, which in turn ~~includes~~ <u>comprises</u> a destination inventory location identifier.

23. (**Currently amended**) The computer-readable medium of Claim 17, wherein the source location data element ~~includes~~ <u>comprises</u> a source bucket code element, which in turn ~~includes~~ <u>comprises</u> a source inventory location identifier.

24. (**Currently amended**) The computer-readable medium of Claim 19, wherein the related purchase order element ~~includes~~ <u>comprises</u> a purchase order element for defining purchase order elements that ~~include~~ <u>comprise</u>:

    a common object row identifier element;

    a purchase order base data type element;

    a list of purchase order line item element; and

    a purchase order custom data element.

25. (**Currently amended**) The computer-readable medium of Claim 24, wherein the purchase order base data type element ~~includes~~ <u>comprises</u> a purchase order number.

26. (**Currently amended**) The computer-readable medium of Claim 24, wherein the list of purchase order line item element ~~includes~~ <u>comprises</u> a plurality of purchase order line items.

27. (**Currently amended**) The computer-readable medium of Claim 26, wherein each of the plurality of purchase order line items ~~includes~~ <u>comprises</u>:

    a purchase order line item number identifier element;

    a purchase order line item base data element; and

    a purchase order line item custom data element.

28.   (**Currently amended**)   The computer-readable medium of Claim 27, wherein the purchase order line item base data element ~~includes~~ **comprises** a purchase order line item number.

29.   (**Currently amended**) A system, comprising:

a processor;

an interconnect coupled to the processor;

a computer-readable storage medium, coupled to the processor via the interconnect,

the computer-readable storage medium further comprising:

instructions, when executed by the processor, for synchronizing **inventory transaction information of a computerized inventory management system comprising** a source computerized inventory management system **executing on a first computer** and a target computerized inventory management system **executing on a second computer**, wherein

said instructions for synchronizing are configured to perform bidirectional synchronization, and

said instructions for synchronizing comprise

instructions, when executed by the processor, for extracting inventory information in a ~~first form~~ **source format** that is associated with [[a]] **the** source computerized inventory management system;

instructions, when executed by the processor, for converting the inventory transaction information in the ~~first form~~ **source format** into inventory transaction information that is in ~~a second~~ **an** intermediate ~~form~~ **format**;

instructions, when executed by the processor, for converting the inventory transaction information in the ~~second~~ intermediate ~~form~~ **format** into inventory transaction information in a target

form **format** that corresponds to [[a]] **the** target

computerized inventory management system;

and

a data structure for managing inventory, the data

structure comprising

a list of inventory transactions class with a hierarchy of

data elements, wherein

the hierarchy of data elements comprises a plurality of

inventory transaction element, and each of the

plurality of inventory transaction elements is

configured to store the inventory transaction

information in the ~~second~~ intermediate form

format.

30.   (**Currently amended**) The data structure of Claim 29, wherein each of the plurality

of inventory transaction elements ~~includes~~ **comprises**:

an inventory transaction identifier;

a base data element for defining:

a transaction comments element;

a transaction date;

a transaction quantity of items;

a transaction time;

a transaction type code; and

a transaction unit of measure code;

a list of identifier data element for defining identifier data that is specific to a product

or item;

a location data element for defining a destination location data element and a source

location data element;

a related product element for defining a product or item identifier;

a related document data element for defining a related purchase order element; and

a custom data element for defining customized attributes for the inventory transaction information.

31. (**Currently amended**) The data structure of Claim 30, wherein:

the identifier data element ~~includes~~ <u>comprises</u> a product serial number or an item serial number;

the destination location data element ~~includes~~ <u>comprises</u> a destination bucket code element and a destination inventory location identifier element;

the source location data element ~~includes~~ <u>comprises</u> a source bucket code element and a source inventory location identifier; and

the related purchase order element ~~includes~~ <u>comprises</u> a purchase order element for defining purchase-order-type elements that ~~include~~ <u>comprise</u>:

a common object row identifier element;

a purchase order base data element wherein the purchase order base data element ~~includes~~ <u>comprises</u> a purchase order number;

a list of purchase order line item element, wherein the list of purchase order line item element ~~includes~~ <u>comprises</u> a plurality of purchase order line items; and

a purchase order custom data element.

32. (**Currently amended**) The data structure of Claim 31, wherein each of the plurality of purchase order line items ~~includes~~ <u>comprises</u>:

a purchase order line item number identifier element;

a purchase order line item base data element; and

a purchase order line item custom data element.

33. (**Currently amended**) The data structure of Claim 32, wherein the purchase order line item base data element ~~includes~~ <u>comprises</u> a purchase order line item number.

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